Patent Claims

1. Device for transforming liquids having a different viscosity into individual droplets with interchangeable nozzles,
characterized in that
the material to be transformed into droplets is pressed by compressed air from at least one container through at least one capillary in the interior of a nozzle and the droplet separation is effected by an air flow passed concentrically to the capillary in the nozzle.

2. Device according to claim 1 operating according to a method according to claim 1,
characterized in that
it comprises one or more of the following main components:
   - nozzle
   - reservoir for the material to be transformed into droplets
   - automatic control system for supplying the reservoir with compressed air
   - control elements for controlling the concentric air flow which causes the separation of the droplet in the nozzle.

3. Device according to claims 1 to 2,
characterized in that it operates in accordance with Fig. 4a and/or its components are arranged and/or connected to each other in accordance with Fig. 4a.

4. Device according to claims 1 to 3,
characterized in that it operates in accordance with Fig. 4b and/or its components are arranged and/or connected to each other in accordance with Fig. 4b.

5. Device according to claims 1 to 4,
characterized in that it operates in accordance with Fig. 5 and/or its components are arranged and/or connected to each other in accordance with Fig. 5.

6. Device according to claims 1 to 5,
characterized in that it comprises a nozzle which operates in accordance with Fig. 1 and/or the components of which are set up, arranged and/or connected to each other in accordance with Fig. 1.

7. Device according to claims 1 to 6,
characterized in that it comprises a nozzle which operates in accordance with Fig. 2 and/or the components of which are set up, arranged and/or connected to each other in accordance with Fig. 2.

8. Device according to claims 1 to 7,
characterized in that it comprises a meter tube which operates in accordance with Fig. 3 and/or the components of which are set up, arranged and/or connected to each other in accordance with Fig. 3.

9. Device according to claims 1 to 8, characterized in that the produced droplets can be precipitated chemically, e.g. by the influence of salts.

10. Device according to claims 1 to 9, characterized in that the produced droplets can be precipitated physically, e.g. by a temperature change.

11. Device according to claims 1 to 10, characterized in that the precipitated droplets contain the material to be immobilized.